

**UNITED STATES DEPARTMENT OF COMMERCE****Patent and Trademark Office**Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231*SK*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

09/095,389 06/10/98 HIPP

J A98054US

PM82/1115

EXAMINER

PRAVEL HEWITT KIMBALL & KREIGER
1177 WEST LOOP SOUTH
10TH FL
HOUSTON TX 77027-9095

TSAY, F

ART UNIT	PAPER NUMBER
----------	--------------

3672

DATE MAILED:

11/15/99

J

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No. 09/095,389	Applicant(s) Hipp
	Examiner Frank S. Tsay	Group Art Unit 3672

Responsive to communication(s) filed on Jun 10, 1998

This action is **FINAL**.

Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire three month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

Claim(s) 1-16 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1-16 is/are rejected.

Claim(s) _____ is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been

received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). 2

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

Art Unit: 3672

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, line 23, “the first piston” lacks proper antecedent basis; line 25, “the lower piston seat” should be “the lower piston valve seat”.

Claim 14, “the valving member” is indefinite, it is not clear which one of the two valving members is referred to.

Claim 15, lines 17, 23, 25, 30, “the upper piston seat” and “the lower piston seat” should be more clearly defined.

Claim 16, line 18, “forms a seat” should be “forms a seal”; lines 18, 20, and 25, “the lower piston seat” should be more clearly defined.

Art Unit: 3672

Allowable Subject Matter

3. Claims 1-16 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dr. Frank S. Tsay whose telephone number is (703) 308-2170. The examiner can normally be reached on Monday through Friday from 8:30 A.M. to 4:00 P.M. E.T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. David Bagnell, can be reached on (703) 308-2151. The fax phone number for this Group is (703)305-3597, (703) 305-7687, or (703) 306-4195.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)308-2168.

A shortened statutory period for response to this action is set to expire **three months** from the mailing date of this letter. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. §133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Tsay/FT
November 10, 1999

Frank S. Tsay
Frank S. Tsay
Primary Examiner
Group 3600